## Claims:

1	1. Process for the manufacture of optical fibers comprising:
2	(a) preparing an optical fiber preform,
3	(b) heating the preform to the softening temperature, and
4	(c) drawing an optical fiber from the preform
5	the invention characterized in that the optical fiber preform is produced by:
6	(i) preparing a porous silica body of silica particles,
7	(ii) heating the porous silica body in a fluorine atmosphere for a
8	period of 10 - 240 minutes to predeposit fluorine on the silica
9	particles, and
10	(iii) heating the porous silica body at a temperature greater than
11	1300 <sup>O</sup> C, in an atmosphere devoid of fluorine, to consolidate the
12	porous silica body into a preform.
1	2. The process of claim 1 wherein the fluorine atmosphere comprises SiF <sub>4</sub> .
1	3. The process of claim 2 wherein the fluorine atmosphere is greater than 10%
2	SiF <sub>4</sub> .
1	4 Process for the manufacture of optical fiber preforms comprising:
2	(a) preparing a porous silica body of silica particles, said porous silica
3	body having a weight greater than 5 kg,

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5	(b) heating the porous silica body to a temperature in the range
6	800-1000 <sup>O</sup> C in a fluorine atmosphere for a period of 10 - 240 minutes to
7	predeposit fluorine on the silica particles, and
8	(c) heating the porous silica body at a temperature greater than 1300
9	<sup>O</sup> C, in an atmosphere devoid of fluorine, to consolidate the porous silica
10	body.

5. The process of claim 4 wherein the fluorine atmosphere comprises SiF<sub>4</sub>.